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Safety and Troubleshooting Information

Safety precautions and maintenance

WARNING: Use of controls, adjustments or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards and/or mechanical hazards.

Read and follow these instructions when connecting and using your LCD TV:

- Unplug the TV if you are not going to use it for an extensive period of time.
- Unplug the TV if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However, never use alcohol, solvents or ammonia-based liquids.
- Consult a service technician if the TV does not operate normally when you have followed the instructions in this manual.
- The casing cover should be opened only by qualified service personnel.
- Keep the TV out of direct sunlight and away from stoves or any other heat source.
- Remove any object that could fall into the vents or prevent proper cooling of the TV's electronics.
- Do not block the ventilation holes on the cabinet.
- Keep the TV dry. To avoid electric shock, do not expose it to rain or excessive moisture.
- When positioning the TV, make sure the power plug and outlet are easily accessible.
- If turning off the TV by detaching the power cable or DC power cord, wait for 6 seconds before attach the power cable or DC power cord for normal operation.
- To avoid the risk of shock or permanent damage to the set, do not expose the TV to rain or excessive moisture.
- IMPORTANT: When using as a PC monitor, always activate a screen saver program during your application. If a still image in high contrast remains on the screen for an extended period of time, it may leave an 'after-image' or 'ghost image' on the front of the screen. This is a well-known phenomenon that is caused by the shortcomings inherent in the LCD technology. In most cases, the after-image will disappear gradually over a period of time after the power has been switched off. Be aware, that the after-image symptom cannot be repaired and is not covered under warranty.

Consult a service technician if the TV does not operate normally when the operating instructions given in this manual have been followed.

Installation Locations

- Avoid exposure to heat and extreme cold
- Do not store or use the product in locations exposed to heat, direct sunlight or extreme cold.
- Avoid moving the product between locations with large temperature differences. Choose a site that falls within the following temperature and humidity ranges.
    - Temperature: 5-40°C 41-104°F
    - Humidity: 20-80% RH
- Do not subject the product to severe vibration or high impact conditions. Do not place the product in the trunk of a car.
- Take care not to mishandle this product by either knocking or dropping it during operation or transportation.

Do not store or use the product in locations where there is a high level of humidity or in dusty environments. Do not allow water or other liquids to spill on or into the product.

About This Manual

About This Guide

This user's guide is intended for anyone who uses the Magnavox LCD TV. It describes the features, setup, operation and other important information.

It includes the following sections:

- Safety and Troubleshooting Information provides tips and solutions for common problems as well as other related information you may need.
- Product Information gives an overview of the monitor's features as well as the technical specifications for this monitor.
- Installing Your Monitor describes the initial setup process and gives an overview of how to use the monitor.
- On-Screen Display provides information on adjusting the settings on your monitor.
- TV Control provides information on adjusting the settings for your TV function.

Notational Descriptions

The following subsections describe notational conventions used in this document.

Notes, Cautions and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold or italic type. These blocks contain notes, cautions or warnings. They are used as follows:

NOTE: This icon indicates important information and tips that help you make better use of your computer system.

CAUTION: This icon indicates information that tells you how to avoid either potential damage to hardware or loss of data.

WARNING: This icon indicates the potential for bodily harm and tells you how to avoid the problem.

Some warnings may appear in alternate formats and may not be accompanied by an icon. In such cases, the specific presentation of the warning is mandated by the relevant regulatory authority.

Product Information

Product Features

15MF150V

- 15-inch XGA LCD TV with excellent display performance
- Multiple video input allowing display of TV, PC, VCD, DVD and CamCorder
- High definition panel (XGA resolution)
- DVD playback via S Video and composite video
- 1080i and 480p compatibility via VGA connector (NOTE - This is available only in RGB (H/V) format)

Technical Specifications*

LCD PANEL

• Type	TFT LCD
• Screen size	15 inch
• Pixel Pitch	0.297 x 0.297mm
• LCD Panel type	1024 x 768 pixels R.G.B. vertical stripe Anti-glare polarizer
• Effective viewing area	(H) 304.1 x (V) 228.1mm
• Display Colors	8 bits interface (16.7M colors)

PC SCANNING

• Vertical refresh rate	56Hz-76Hz
• Horizontal frequency	30kHz-63kHz

PC VIDEO

• Video dot rate	80 MHz
• Input impedance	
- Video	75 ohm
- Sync	4K7 ohm
• Input signal levels	0.7 Vpp
• Sync input signal	Separate sync
• Sync polarities	Positive and negative
• Input Frequency	XGA Hsync 48- 63 kHz, Vsync 60 - 75 Hz (N.I.) SVGA Hsync 35- 50 kHz, Vsync 56 - 75 Hz (N.I.) VGA Hsync 31- 38 kHz, Vsync 60 - 75 Hz (N.I.)
• Video interface	D-sub, S-Video, TV-RF and composite video

AUDIO

• Input level for PC/SVHS	500 mV nominal
• Headphone out signal level	4mW max.
• Loudspeaker	2W Stereo Audio (1W/channel RMS x2, 200Hz~10kHz, 16 ohm, 10% THD)

OPTICAL CHARACTERISTICS

• Contrast ratio	350:1 (typ.)
• Brightness	300 cd/m^2 (typ.)
• Peak contrast angle	6 o'clock
• White Chromaticity	x: 0.283 y: 0.297 (at 9300° K) x: 0.313 y: 0.329 (at 6500° K) x: 0.313 y: 0.329 (sRGB)
• Viewing Angle (C/R ≥5)	Upper ≥50° (typ.) Lower ≥60° (typ.) Left ≥75° (typ.) Right ≥75° (typ.)
• Response time	<=25ms (typ.)

This data is subject to change without notice.

Resolution & Preset Modes

• Maximum	1024 x 768 at 75Hz
• Recommended	1024 x 768 at 60Hz

14 user definable modes

11 factory preset modes:

Resolution	Mode	H. freq (kHz)	V. freq (Hz)
PC			
640*350	VGA-1	31.469	70.086
640*480	VGA VESA 60	31.469	59.940
640*480	Mac 13	35.000	66.667
640*480	VGA VESA 75	37.500	75.000
720*400	IBM VGA 3H	31.468	70.087
800*600	SVGA VESA 56	35.156	56.250
800*600	SVGA VESA 60	37.879	60.317
800*600	SVGA VESA 75	46.875	75.000
832*624	Mac 16	49.724	74.550
1024*768	XGA VESA 60	48.363	60.004
1024*768	XGA VESA 75	60.023	75.029
Video			
Video	60Hz	15.734	59.940
Video	50Hz	15.625	50.000

Automatic Power Saving

If you have VESA DPMS compliance display card or software installed in your PC, the TV/Monitor can automatically reduce its power consumption when not in use. If an input from a keyboard, mouse or other input device is detected, the TV will then 'wake up' automatically. The following table shows the power consumption and signaling of this automatic power saving feature:

Power Management Definition					
VESA Mode	Video	H-sync	V-sync	Power Used	LED color
ON	Active	Yes	Yes	25W (typ.)	Green
OFF	Blanked	No	No	110VAC < 1W 230VAC < 2W	Amber

Physical Specifications

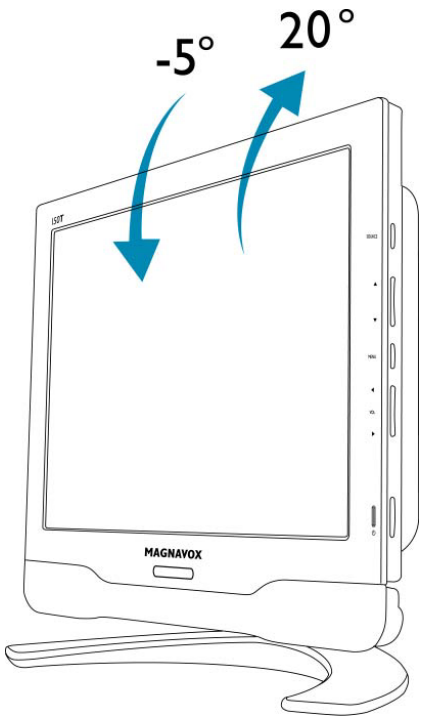
• Dimension (WxHxD)	360 x 358 x 177 mm (incl. Pedestal)
• Weight	4.1 kg
• Tilt (Forward / Backward)	- 5° / 20°
• Power supply	100 - 240 VAC, 50/60 Hz
• Power consumption	25 W (typ.)
• Temperature (operating)	5° C to 40° C
• Relative humidity	20% to 80%
• System MTBF	50K hrs (excluding CCFL 40Khrs)

** This data is subject to change without notice.*

Product Views

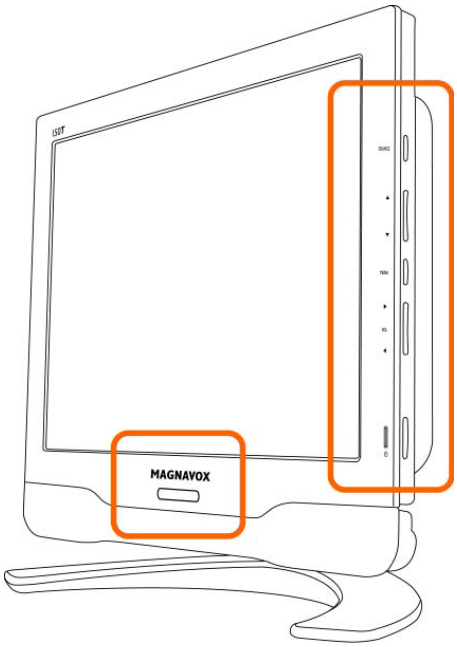
Physical Function

Tilt



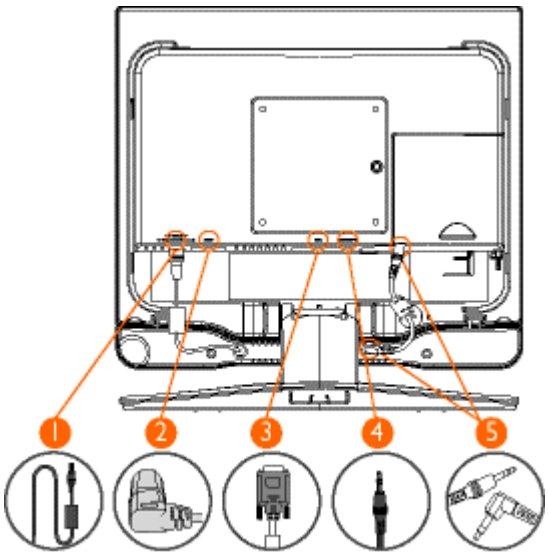
Installing your LCD TV

Front View Product Description



1	**SOURCE**	TV/Video/PC source selection
2	▲ ▼	Increase or decrease the channel number or up or down the highlighted function in OSD
3	**MENU**	Open the OSD and select the highlighted function
4	▶ **VOL** ◀	Increase or decrease the level of audio volume or adjust the settings of the highlighted function in OSD
5		Power indicator
6		Power switch On/Off
7		Receiver for 'remote control'

Rear View



1	DC 12V out	For connect to "Audio Chin" only
2	AC in	AC power in
3	VGA	D-Sub input
4	PC - Audio in	For connect to PC Audio output
5	Audio out	For connect to Audio out

On-Screen Display

Description of the On Screen Display

What is the On-Screen Display?
This is a feature offered by all Magnavox LCD TVs. It allows an end user to adjust screen performance of TVs directly through an on-screen instruction window. The user interface provides user-friendliness and ease-of-use when operating the TV.

Basic and simple instruction on the control keys
When you press the **MENU** button on the front control of your TV, the On-Screen Display (OSD) Main Controls window will pop up and you can then start making adjustments to the various TV features. Use the ◀▶ or the ▲▼ keys to make your adjustments.

OSD Guide

TV/Video Mode

INPUT SELECT		Select video source for main display:
	PC	• PC VGA input
	TV	• Antenna or cable TV input
	AV	• CVBS composite video input
	S-VIDEO	• S-video input
PICTURE		Adjust picture characteristics to suit personal preference
	BRIGHTNESS	
	CONTRAST	
	COLOR	
	SHARPNESS	
	TINT	
	COLOR TEMP	• Normal • Cool • Warm
	EXIT	
SOUND		Adjust audio characteristics to suit personal preference
	TREBLE	
	BASS	

	BALANCE	
	SURROUND (ON/OFF)	
	EXIT	
LANGUAGE		Set language for OSD
	ENGLISH	
	ESPAÑOL	
	FRANÇAIS	
FEATURES	**PARENTAL CONTROLS**	Set the password (0711) and block specific programs that are not suitable for children. It is compliant with V-chip standard in the US. (See page 24 for detail operation)
	CLOSED CAPTION	Turn on/off and select a closed caption mode. *NOTE: The feature is applicable for TV and CVBS video only.*
	EXIT	
INSTALL (for TV mode only)		Install a TV program list
	TUNER MODE	Set the tuner mode: • antenna • cable • auto
	AUTO STORE	Scan and store the TV programs at the user location automatically
	FINETUNE	Fine tune and store the TV programs at the user location manually
	CHANNEL EDIT	Set the skipped channel when accessing channel by ◀▶ keys
	EXIT	
EXIT		Exit from this menu

PC Mode

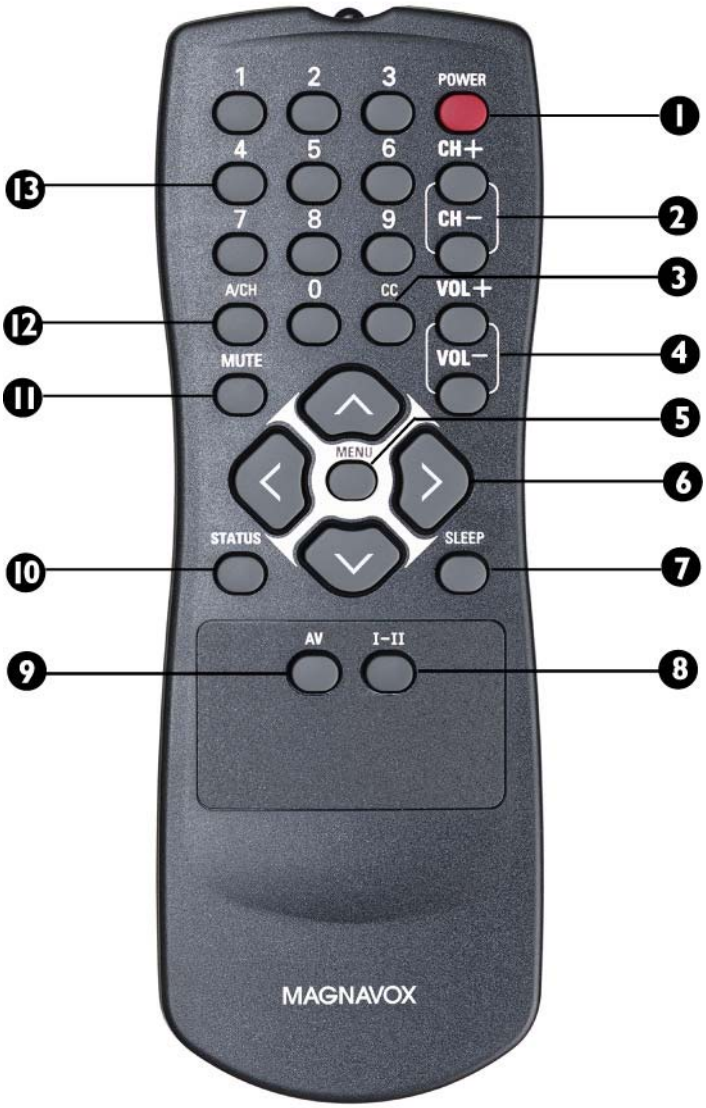
INPUT SELECT		Select video source for main display:
	PC	• PC VGA input
	TV	• Antenna or cable TV input
	AV	• CVBS composite video input
	S-VIDEO	• S-video input
LANGUAGE		Set language for OSD
	ENGLISH	
	ESPAÑOL	
	FRANÇAIS	
ADJUST POSITION		Adjust positions to obtain optimum display location on the screen
	HORIZONTAL	
	VERTICAL	
BRIGHTNESS & CONTRAST		Adjust brightness and contrast to obtain optimum display
	BRIGHTNESS	
	CONTRAST	
VIDEO NOISE		Adjust phase and clock to obtain stable and clear display
	PHASE	
	CLOCK	
ADJUST COLOR		Set color temperature to suit personal preference
	ORIGINAL PANEL COLOR	
	9300K FOR CAD/CAM	
	6500K FOR IMAGE MANAGEMENT	
	sRGB	

	USER PRESET	RED GREEN BLUE
RESET		Reset the setting to default values
	NO	
	YES	
AUTO		Automatic adjustment of the display parameters to give optimum display
EXIT		Exit from this menu

TV Control

Using Your Remote Control

Remote Control Diagram



1	**Standby**	To set the TV temporarily to standby mode. To switch on the TV set, press Standby button or AV source button. (The amber light indicates when set is in standby mode)
2	**Selecting TV programs**	To move up or down a program.
3	**Closed Caption**	To disable or enable closed caption function.
4	**Volume**	To adjust the sound level.
5	**Menu**	To turn on or off the OSD (On-Screen Display) To return to last item in OSD and clear menu from screen.
6	**Cursor**	To move the cursor up/down/right/left to scroll through a list of options: Cursor Left/Right To adjust the settings of the highlighted function in OSD Cursor down To select the next item on the menu, and return to last item with cursor up
7	**Sleep timer**	To select the period of time after which the set will switch automatically to standby mode (up to 240 minutes)
8	**Sound mode**	To choose MONO, Stereo and SAP (2nd audio program) Sound system
9	**AV source**	To select TV/Video/PC sources
10	**Status**	To show OSD status.
11	**Mute**	To disable sound. To restore sound, press button again.
12	**A/CH**	To access the last program viewed.
13	**Numerical keys**	For direct access to programs For a 2-digit program number, the 2nd digit must be entered within 2 seconds.

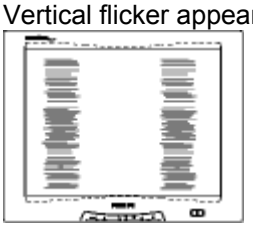
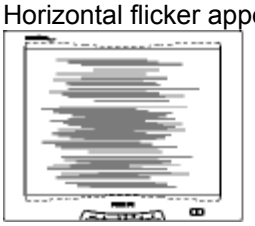
Troubleshooting

This page deals with problems that can be corrected by the user. If the problem still persists after you have tried these solutions, contact your nearest dealer.

Common Problems

Having this problem?	**Check these items**
No Picture (Power LED not lit)	• Make sure the power cord is plugged into the power outlet and into the back of the TV.
No Picture (Power LED is amber) (when using as PC monitor)	• Make sure the computer is turned on. • Make sure the signal cable is properly connected to your computer. • Check to see if the monitor cable has bent pins. • The Energy Saving feature may be activated.
Screen says 	• Make sure the monitor cable is properly connected to your computer. • Check to see if the monitor cable has bent pins. • Make sure the computer is turned on.

Imaging Problems

Display position is incorrect	• Press "MENU" key to select "ADJUST POSITION" control at PC mode or press "MENU" and "DOWN" hot keys at front control together to automatically adjust the position.
Image vibrates on the screen	• Check that the signal cable is properly connected to the graphics board or PC.
Vertical flicker appears 	• Press "MENU" and "DOWN" hot keys at front control together to automatically adjust at PC mode. • Press "MENU" key to select "AUTO".
Horizontal flicker appears 	• Press "MENU" and "DOWN" hot keys at front control together to automatically adjust at PC mode. • Press "MENU" key to select "AUTO".
The screen is too bright or too dark	• Adjust the contrast and brightness in OSD Main Controls. (The backlight of the product has a fixed life span. When the screen becomes dark or begins to flicker, please contact your dealer.)

An after-image appears	• If an image remains on the screen for an extended period of time, it may be imprinted in the screen and leave an afterimage. This usually disappears after a few hours.
An afterimage remains after the power has been turned off.	• This is characteristic of liquid crystal and is not caused by a malfunction or deterioration of the liquid crystal. The afterimage will disappear after a period of time.
Green, red, blue, dark and white dots remain.	• The remaining dots are normal characteristic of the liquid crystal used in today's technology.

TV and Audio Problems

Poor TV signal reception	• The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, try manually adjusting your pictures: see 'fine tuning' or adjust the direction of the outside aerial.
No TV picture	• Have you connected the aerial socket properly? Have you chosen the right system? Poorly connected aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the TV set is moved or turned). Check all connections.
No sound	• Ensure that the audio cables are firmly connected to both the audio input connectors on your TV and audio output connectors on your PC or Video player.

For further assistance, contact your local distributor.

Other Related Information

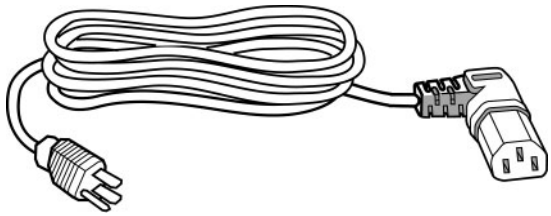
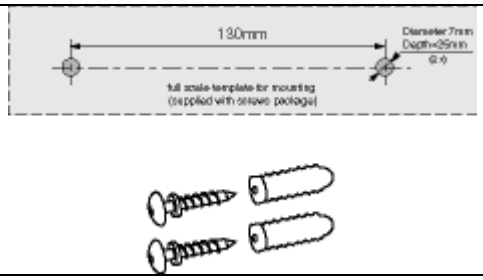
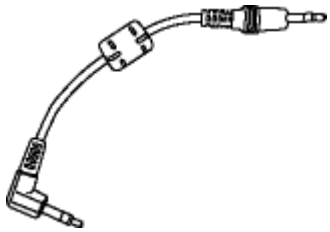
For units set at 115 V :

Use a UL Listed Cord Set consisting of a minimum 18 AWG, Type SVT or SJT three conductor cord a maximum of 15-feet long and a parallel blade, grounding type attachment plug rated 15 A, 125 V.

Connecting to Your TV Antenna, PC, DVD/VCR etc.

Accessory Pack

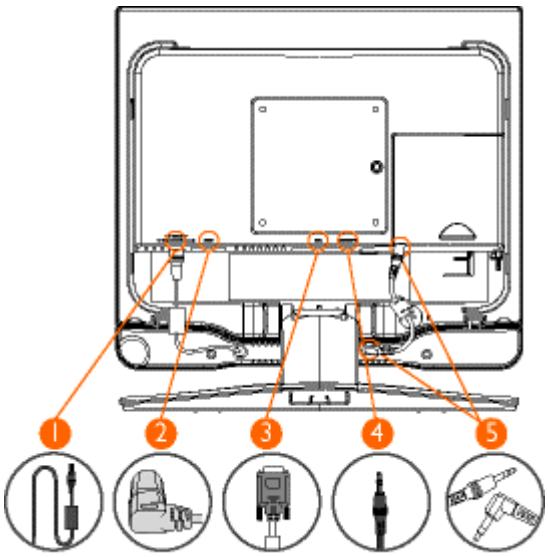
Unpack all the parts.

	
Power cable	**Remote control & batteries**
	
Wall mount kit	**Audio Chin cable**

Setting up and connecting your TV

Ensure that the power to the TV is switched off before the installation.

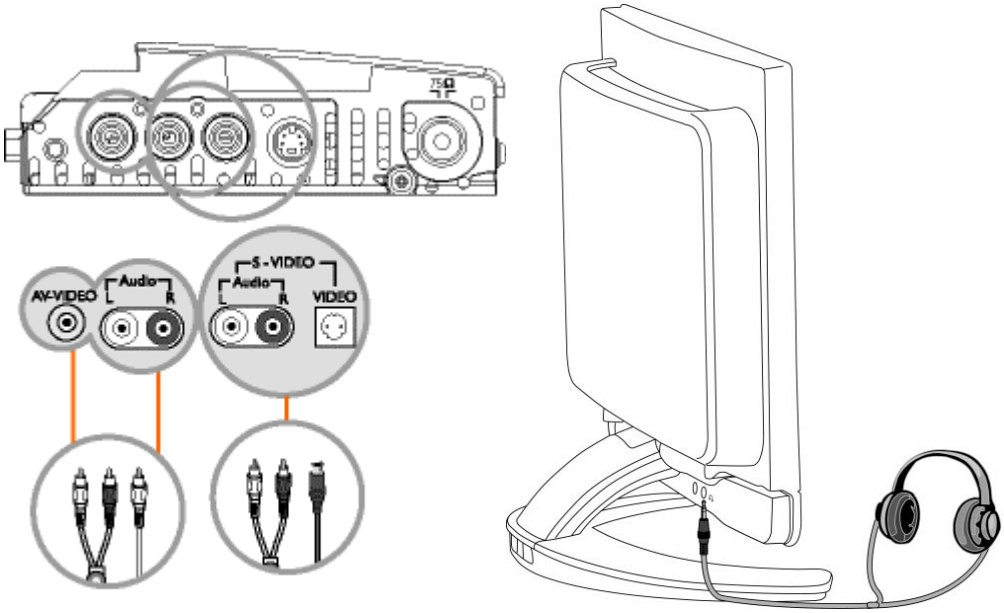
A) Connecting to PC computer



1. Make sure the external speaker power cable is plugged into the DC 12V OUT connector on the back of the TV.
2. Connect the power cord to the AC IN power connector on the back of the TV.
3. Connect the 15-pin D-SUB of the video signal cable to the VGA connector on the back of the TV.
   Note: If you use an Apple Macintosh™, you need to connect the special Mac adapter to one end of the monitor signal cable.

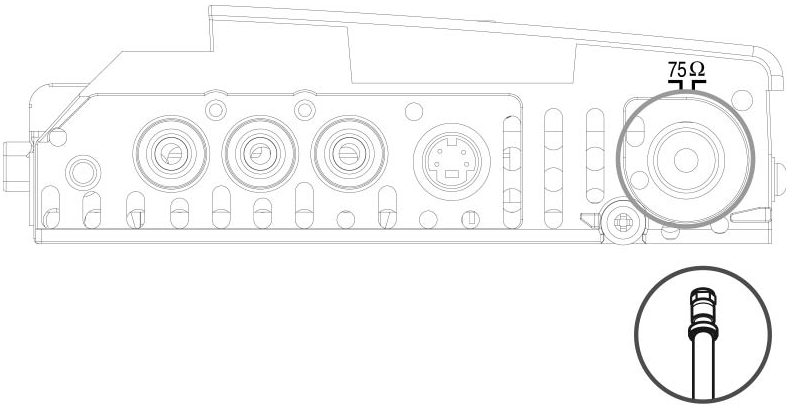
4. Connect the stereo audio cable to PC AUDIO IN on the back of the TV and the other end to AUDIO OUT terminal of the sound card on your PC.
   Connect one end of Audio Chin cable to AUDIO OUT connectors on the back of the TV and the other to AUDIO IN on the back of the speaker.

B) Connecting to a external A/V device such as a DVD/VCR/VCD



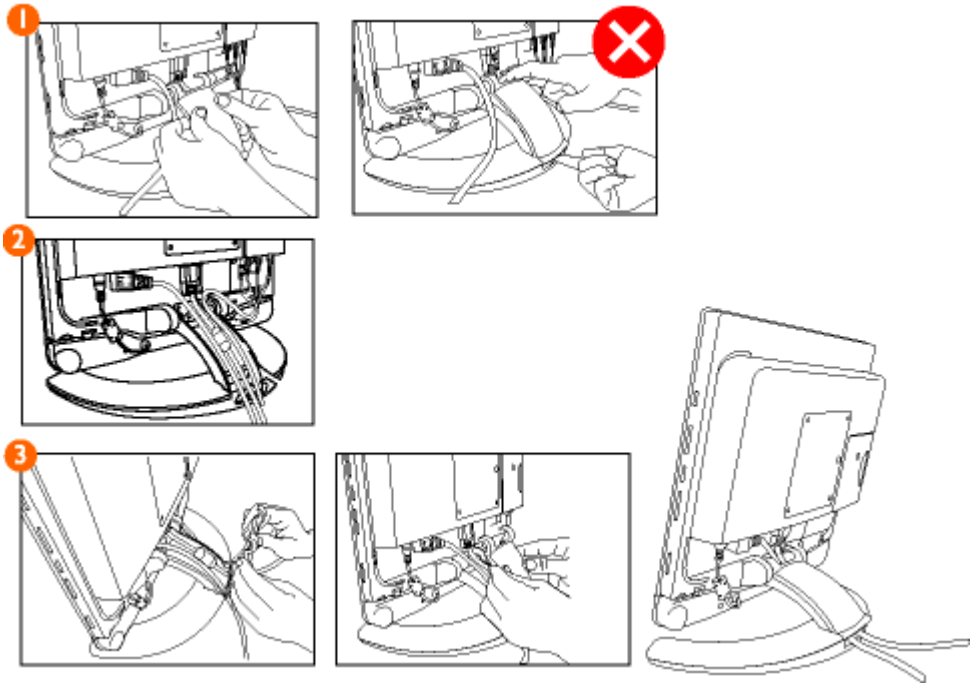
1. Connect RCA (Yellow) or S-VHS cable to an appropriate external AV device such as DVD/VCR.
2. Connect RCA audio cable to AUDIO (R) and AUDIO (L) terminal and the other ends to corresponding audio out terminals on the AV device.
3. Headphone may be connected to the headphone output on the back of the TV marked . While the headphone is connected, the sound from the external speakers will be disabled.
4. Note that this set only accepts a S-Video cable without a locating guide.

C) Connecting to TV/CATV



Connect an antenna or CATV cable to the antenna port of tuner box.

Using the Cable Management

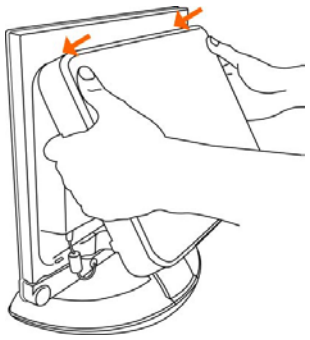


1. Remove the arm box's top cover. Press the center of the cap and open the cap from sides (Do not attempt to open the cap from the top or the bottom)
2. Place the cables inside the arm box.
3. Replace top cover.

We recommend you follow intelligent cable management to reduce the electrical alternating field to low level as not to burden the work environment with unnecessary factors.

To attach and remove back cover

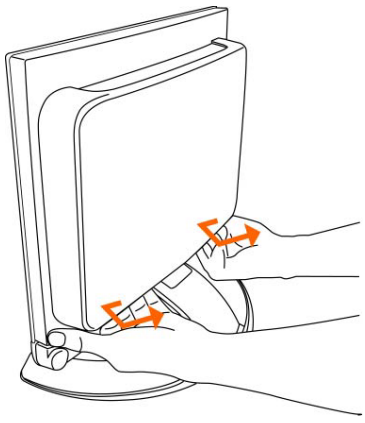
To attach back cover



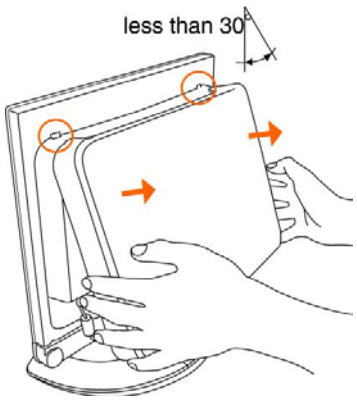
1) Line up in ventilation.
Before attempting to seal the cover, make sure it is properly aligned with the upper hooks.

2) Use hands to push and seal in place.

To remove back cover



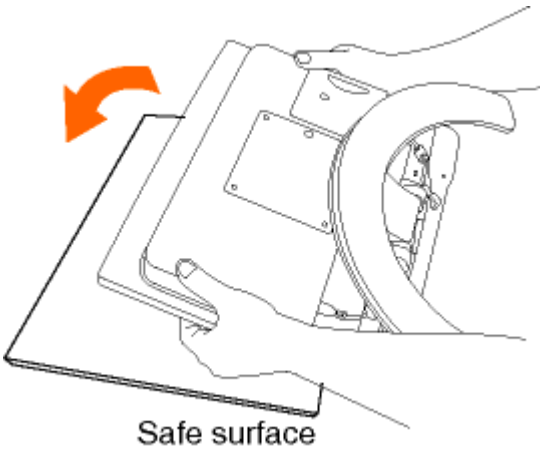
1) Lift off the rear cover from the top hooks at an angle of less than 30 degrees to avoid hook damage.



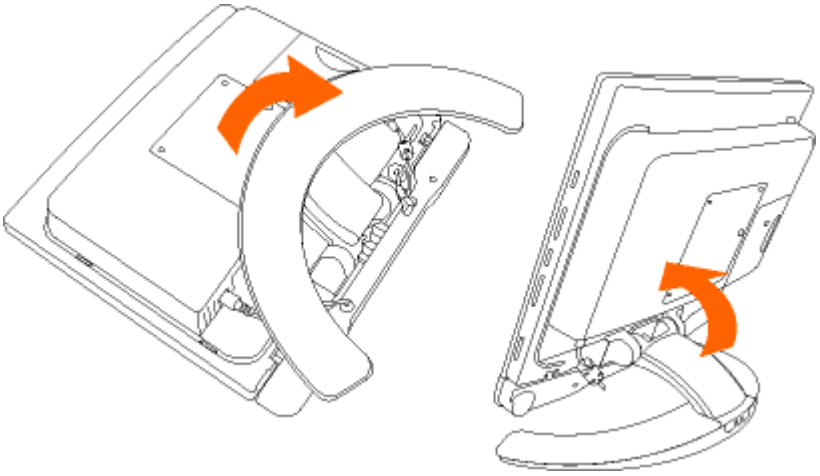
VESA Mounting and Easy Wall Mounting

Unfold and Fold the Base

Unfold the Base

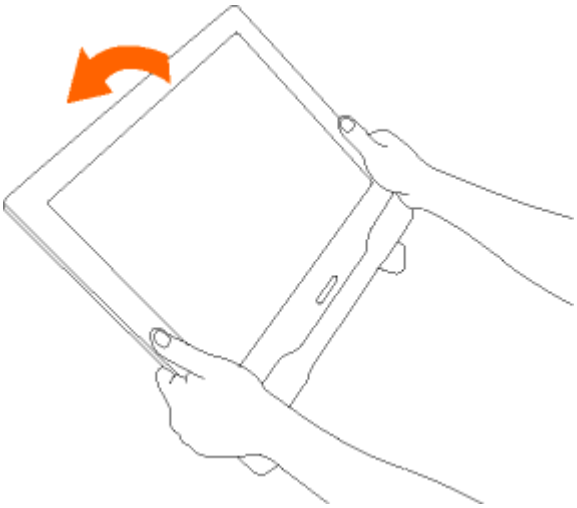


1) Place the TV face down on a safe surface



2) Pull up the base

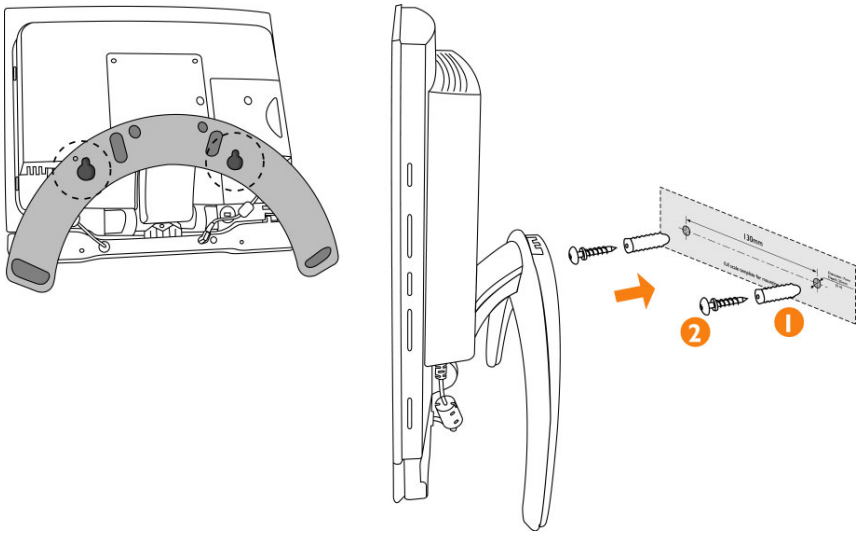
Fold the Base



1) Push down the head of the TV. Make sure the back cover is removed when folding the base.

Foldable base available for easy wall mounting

Make sure the back cover is removed before mounting the TV on the wall.



Smart tips

Use the full scale template to mark on the wall the horizontal distance (130 mm) between the two mounting screws.
Notes:
- The surface for mounting area must be flat and larger than the pedestal.
- The wall must support a pull force of 10 kg for each screw.

At the locations marked, drill two holes in the wall, each 7 mm in diameter and 25 mm in depth.
Securely insert the plastic wall anchors (1) and then use the two screws (2) to fasten the mounting pedestal to the wall.

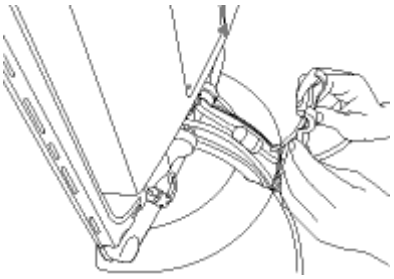
WARNING!

1. Read all instructions carefully before mounting!
2. Correct assembly is essential. The maximum allowed weight of the LCD Display is 6.5 kg/14.3 lbs.
3. The assembly materials that come with the product are only suitable for attachment to solid wood, brick or concrete walls.
4. For wood walls: Discard the wall anchors! Drill each hole 3.6 mm in diameter and 20 mm in depth.
5. To avoid possible injury, do not mount above a sofa or bed.

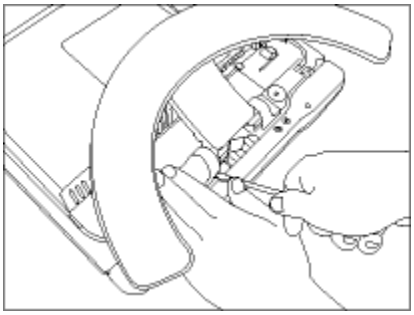
The manufacturer accepts no liability for improper installations or installations not performed in accordance with these instructions.

VESA Wall Mounting

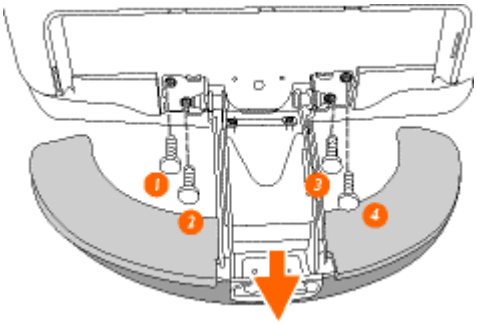
A) Remove the base



1) Remove the arm box's top cover.

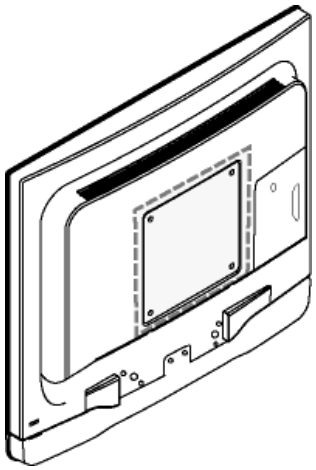


2) Remove the hinge cape.



3) Remove the 4 screws and then remove the base from the LCD TV.

B) Attaching a wall or arm mounting device.



Note: This TV accepts a 100mmx100mm VESA-Compliant mounting interface.
The TV supports VESA mounting standard for use with various VESA mounting devices. To install any VESA mounting devices, please follow the instructions given.

Using Other Menus

Using the Remote Control

1. Press **MENU** to activate the control menu display.
2. Use ▲, ▼ to scroll the highlighted item to be selected.
3. Use **MENU** to select the item to be changed.
4. Use ▲, ▼ again to scroll the highlighted sub-item to be selected.
5. Use ◀, ▶ to adjust the value of selected item. Or use **MENU** to select the desired option.
6. When the setting is fine, use ▲, ▼ to highlight EXIT item and press **MENU** to exit from the menu. The menu OSD will disappear.
7. Menu will disappear automatically after few seconds while no key was pressed.

Selecting a source input

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight INPUT SELECT, and then press **MENU**.
3. Use ▲, ▼ to highlight the input source to be selected. There are 4 input sources:
    - PC
    - TV
    - AV
    - S-Video
4. Press **MENU** to select the input source.

Adjusting the picture preference

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight PICTURE, and then press **MENU**.
3. Use ▲, ▼ to highlight the picture parameter to be adjusted. There are 6 parameters:
    - BRIGHTNESS: alters the brightness of the image.
    - CONTRAST: alters the variation between light and dark tones.
    - COLOR: alters the color intensity.
    - SHARPNESS: alters the crispness of the image.
    - TINT: Adjusts tint.
    - COLOR TEMP (color temperature): adjusts the color temperature of the picture. Three options are available here:
      COOL (blue white), NORMAL (balanced) or WARM (red white).
4. Press ◀, ▶ to adjust BRIGHTNESS, CONTRAST, COLOR, SHARPNESS. Or, press **MENU** to further change COLOR TEMP setting.
5. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu.

Adjusting the sound preference

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight SOUND, and then press **MENU**.
3. Use ▲, ▼ to highlight the sound parameter to be adjusted. There are 4 parameters:
    - TREBLE: alters the level of the high frequency sound.
    - BASS: alters the level of the low frequency sound.
    - BALANCE: to balance the sound between the left and right speakers.
    - SURROUND ON/OFF: to turn the surrounding sound effect on or off.
4. Press ◀, ▶ to adjust the selected parameter.
5. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu.

Selecting a preferred OSD language

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight LANGUAGE, and then press **MENU**.
3. Use ▲, ▼ to highlight the language to be selected. There are 3 languages:
    - **ENGLISH**
    - ESPAÑOL
    - FRANÇAIS
4. Press **MENU** to select the language.
5. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu.

Locking the set / Parental Controls

Understanding Parental Controls
The Parental Controls feature receives and processes the data that contains program content advice sent by the broadcasters or other program providers. When programmed by the viewer, a TV with Parental Controls can respond to the content advice and block any program content that may be considered unsuitable (such as offensive language, violence, sexual situations, etc.). This is a great feature for censoring the type of programs children watch.

In the Parental Controls section you'll learn how to block channels and programs that are not rated, are unrated, or have no rating. You will also find out how to turn these blocking features ON or OFF. Below brief explanations are given of some terms and ratings relate to the Parental Controls feature.

Parental Controls offers a variety of Blocking Options:

BLOCKING
The BLOCKING control can be thought of as the 'master switch' for Parental Controls. This control implements the settings you have selected in order to block programs in accordance with movie ratings or TV ratings, or to block programs that have no rating or are unrated. When the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, programs will be blocked in accordance with the settings you have chosen.

You can also block individual channels or block programs on the basis of the ratings of the MPAA and TV broadcasters.

Movie Ratings (Motion Picture Association of America)

G: General Audience - All ages admitted. Most parents would find these programs suitable for all ages. This type of program contains little or no violence, no strong language and little or no sexual dialogue or sexual situations.

PG: Parental Guidance Suggested - These types of programs contain material that parents may find unsuitable for younger children. It may contain one or more of the following: moderate violence, some sexual situations, infrequent coarse language, or some suggestive dialog.

PG13: Parents Strongly Cautioned – These types of programs contain material that parents may find unsuitable for children under the age of 13. It contains one or more of the following: violence, sexual situations, coarse language, or suggestive dialog.

R: Restricted - This type of program has been designed specifically for adults. Anyone under the age of consent should view these programs only with an accompanying parent or adult guardian. They will contain one or more of the following: intense violence, explicit sexual situations, strong or coarse language, or intensely suggestive dialogue.

NC17: No one under the age 17 will be admitted. These types of programs should be viewed by adults only. They will contain graphic violence, explicit sex, or crude, indecent language.

X: Adults Only - These types of programs contain one or more of the following: very graphic violence, very graphic and explicit or indecent sexual activity, very coarse and intensely suggestive language.

TV Parental Guidelines (TV Broadcasters)

TV-Y: (**All children** -- These programs have been designed to be appropriate for all children.) They are intended for a very young audience, including children aged 2-6. This type of program is not expected to frighten younger children.

TV-Y7: (**Directed at Older Children** -- These types of programs are designed for children aged 7 and above.) They may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. These programs may include mild fantasy and comic violence (FV).

TV-G: (**General Audience** -- Most parents would find these programs suitable for all ages.) These types of programs contain little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

TV-PG: (**Parental Guidance Suggested** -- These types of programs contain material that parents may find unsuitable for younger children.) They will contain one or more of the following: moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV-14: (**Parents Strongly Cautioned** -- These programs contain some material that many parents would find unsuitable for children under 14 years of age.) These types of programs contain one or more of the following: intense violence (V), intense sexual situations (S), strong, coarse language (L), or intensely suggestive dialogue (D).

TV-MA: (**Mature Audience Only** -- These programs are intended specifically to be viewed by adults and therefore may be unsuitable for children under 17.) They contain one or more of the following: graphic violence (V), explicit sexual situations (S), or crude, indecent language (L).

Setting up the Access Code

Parental Controls allows parents to block out or 'censor' any channels they think children should not watch. A channel blocked by the Parental Controls control cannot be viewed until a correct access code is used to unlock the channel for viewing. First, let's set your Parental Controls access code.

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight FEATURE, and then press **MENU**.
3. Use ▲, ▼ to highlight PARENTAL CONTROLS, and then press **MENU**.
4. Enter your confidential access code. The first time, enter the code 0711, Then INCORRECT will appear on the screen.
5. Press 0711 on the remote control again. ENTER NEW CODE will appear on the screen.
6. Enter a new four-digit code using the number buttons. CONFIRM CODE will appear on the screen.
7. Enter your new four-digit code again. CORRECT will flash on the screen briefly and the highlight bar goes back to Parental Controls.

Blocking Channels

After your personal access code has been set you are ready to select the channels or inputs you want to block out or censor.

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight FEATURE, and then press **MENU**.
3. Use ▲, ▼ to highlight PARENTAL CONTROLS, and then press **MENU**.
4. Enter your confidential access code. CORRECT will flash very briefly and the Parental Controls menu will be shown.
5. Use ▲, ▼ to highlight BLOCK CHANNEL, and then press **MENU**.
6. Press ▲ or ▼ keys to select the channel you want to block.
7. Press **MENU** to block the channel. A padlock image appears to the right of the channel number.
8. Repeat steps 6 and 7 for any channels you want to block so they cannot be viewed.
9. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu.

Blocking by Movie Rating

After your personal access code has been set you can select specific movie ratings that you want to censor.

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight FEATURE, and then press **MENU**.
3. Use ▲, ▼ to highlight PARENTAL CONTROLS, and then press **MENU**.
4. Enter your confidential access code. CORRECT will flash very briefly and the Parental Controls menu will be shown.
5. Use ▲, ▼ to MOVIE RATING highlight, and then press **MENU**.
6. Press ▲ or ▼ to highlight each rating you want. (See Movie Ratings) Then press **MENU** to turn the rating ON or OFF. Turning the rating ON will block programs with that rating so they cannot be viewed.
7. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu.

Blocking by TV Rating

You can also select specific TV ratings that you want to censor as follows:

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight FEATURE, and then press **MENU**.
3. Use ▲, ▼ to highlight PARENTAL CONTROLS, and then press **MENU**.
4. Enter your confidential access code. CORRECT will flash very briefly and the Parental Controls menu will be shown.
5. Use ▲, ▼ to MOVIE RATING highlight, and then press **MENU**.
6. Press ▲ or ▼ to highlight each rating you want. (See TV Ratings) Then press **MENU** to turn the rating ON or OFF. Turning the rating ON will block programs with that rating so they cannot be viewed.
   NOTE: More specific sub ratings (for violence, sexual content, dialogue, or fantasy violence) are available for TV-Y7, TV-PG, TV-14 and TV-MA.
7. To access these sub ratings, press ►. Press ▲ or ▼ to select the sub rating that you want to block or unblock. Then press **MENU** to turn the block on the sub rating ON or OFF.
8. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu.

Turning Block ON or OFF

The BLOCKING control can be thought of as the 'master switch' for Parental Controls. This control affects the settings you have chosen to block programs in accordance with movie ratings or TV ratings, or to block programs that have no rating or are unrated. When the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, programs will be blocked in accordance with the settings you have chosen. Follow these steps to toggle BLOCKING OFF or ON.

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight FEATURE, and then press **MENU**.
3. Use ▲, ▼ to highlight PARENTAL CONTROLS, and then press **MENU**.
4. Enter your confidential access code. CORRECT will flash very briefly and the Parental Controls menu will be shown.
5. Use ▲, ▼ to highlight BLOCK OPTIONS, and then press **MENU**.
6. Use ▲, ▼ to highlight BLOCKING.
7. Press ◄, ► to toggle BLOCKING ON or OFF.
8. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu.

Viewing Blocked Programming

Various on-screen messages will appear when someone tries to programs that have been blocked. The message depends on how the current program has been blocked. You may view the blocked program and turn OFF the Parental Controls feature by clearing all blocking options or by entering your access code.

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight FEATURE, and then press **MENU**.
3. Use ▲, ▼ to highlight PARENTAL CONTROLS, and then press **MENU**.
4. Enter your confidential access code. CORRECT will flash very briefly and the Parental Controls menu will be shown.

5. Use ▲, ▼ to highlight CLEAR ALL.
6. Press **MENU** to activate it. CLEARED will be shown for a while. All blocked channels and programs can now be viewed.
7. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu. *If you tune to a specific channel that has been blocked by BLOCK CHANNEL or any of the Parental Controls RATING options, simply enter your four-digit access code to view the channel.*
   NOTE: this will unblock ALL channels until the TV is switched OFF. When the power to the TV is switched back ON, all previously blocked channels will be blocked again.

Closed caption

This menu allows you to turn the closed caption off or select a text mode. The feature is applicable for TV and CVBS video only.

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight FEATURE, and then press **MENU**.
3. Use ▲, ▼ to highlight CLOSED CAPTION, and then press **MENU**.
4. Use ▲, ▼ to highlight the mode to be selected. There are 9 modes:
   CC1, CC2, CC3, CC4, CC MUTE, TXT1, TXT2, TXT3 or TXT4
   NOTE: The CC MUTE option can be used to set the TV to turn the CLOSED CAPTIONING mode ON whenever the MUTE button is pressed.
5. Press **MENU** to select the desired mode.
6. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu.

   NOTE: You also can press the CC button on the remote control to turn the CC Display ON or OFF.

   NOTE: Not all TV programs and product commercials are broadcast with Closed Captioning (CC), nor are all Closed Captioning MODEs (CAPTION 1-4 or TEXT 1-4) necessarily used by broadcast stations during the transmission of a program offering Closed Captioning. Refer to your area's TV program listings for the stations and times of programs to be broadcast with Closed Captioning.

Automatic tuning

This menu allows you to automatically search for all the programs available in your region (or on your cable network).

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight INSTALL, and then press **MENU**.
3. Use ▲, ▼ to scroll the highlight TUNER MODE, and then press **MENU**.
4. Press ▲, ▼ keys to select your tuner:
   - Antenna: your TV is connected to an antenna to receive air programs
   - Cable: your TV is connected to a cable network
   - Auto
5. Press **MENU** to return the install menu.
6. Use ▲, ▼ to scroll the highlight AUTO STORE.
7. Press **MENU** to activate the automatic searching. After several minutes, the INSTALL menu reappears automatically.
8. The programs found will be stored into memory list. Use the SKIP menu to enable or disable the programs which you want it to be skipped. When you use CH+/CH- to access program, all disable programs will be skipped.

Manual tuning (Fine tune)

This menu allows you to store the programs one by one by hand.

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight INSTALL, and then press **MENU**.
3. Use ▲, ▼ to scroll the highlight FINE TUNE, and then press **MENU**.
4. Press ◀ or ▶ key until get good picture.

Skipping programs (Channel edit)

This menu allows you to set the skipped programs when you use ▲, ▼ keys to access the program.

1. Press **MENU** to activate the menu.
2. Use ▲, ▼ to scroll the highlight INSTALL, and then press **MENU**.
3. Use ▲, ▼ to scroll the highlight CHANNEL EDIT.
4. Use ▲, ▼ keys to view the program in the list.
5. Toggle skip or not skip using ◀ or ▶ keys.
6. Use ▲, ▼ to highlight EXIT and then press **MENU** to exit from the menu.

MAGNAVOX LIMITED WARRANTY

Ninety (90) Days Free Product Exchange

MAGNAVOX warrants this product against defect in material or workmanship, subject to any conditions set forth as follows:

PROOF OF PURCHASE:
You must have proof of the date of purchase to exchange the product. A sales receipt or other document showing the product and the date that you purchased the product as well as the authorized retailer included, is considered such proof.

COVERAGE:
Warranty coverage begins the day you buy the product. For a period of ninety (90) days from the date of purchase, if the product is determined to be defective, Magnavox will exchange the defective product with a new or renewed product, at its option, at no charge. The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires. When it is necessary for you to ship the product to Magnavox for exchange, you will pay the shipping cost for shipment to Magnavox. Magnavox will pay the shipping costs when returning a product to you.

Note: The exchange model supplied will be the most comparable one in Magnavox current inventory. Shipping of your product to Magnavox implies intent to follow the specified requirements of the warranty and exchange program. Product received by Magnavox cannot be returned. Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay of exchange process.

EXCLUDED FROM WARRANTY COVERAGE
Your warranty does not cover:

- Shipping charges to return defective product.
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- Product repair and/or part replacement because of improper installation, connections to improper voltage supply, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Magnavox.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- Damage occurring to product during shipping when improperly packaged or cost associated with packaging.
- Product lost in shipment and no signature verification of receipt can be provided.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Product sold AS IS or RENEWED.

WHERE WARRANTY EXCHANGE IS AVAILABLE:
Exchange is available in all countries where Magnavox officially distributes the product. In countries where Magnavox does not distribute the product, the local Magnavox organization will attempt to exchange the product, although there may be a delay if the appropriate product is not readily available or special customs processes are implied.

FOR EXCHANGE IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS…
Contact Magnavox Customer Care Center at:
1-800-705-2000

FPR EXCHANGE IN CANADA...
1-800-661-6162 (French Speaking)
1-800-705-2000 (English or Spanish Speaking)

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This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Magnavox, P.O. Box 520890, Miami, FL 33152 (402) 536-4171

EL6578E001 / 01-04